

These sturdy handhelds are right at home on land or sea. They're tough on the outside, waterproof, and yes, they even float. Choose from the basic navigation features of the GPS 76, the

Rugged, waterproof, unsinkable, WAAS GPS receivers

detailed mapping capabilities of the GPSMAP 76, or detailed mapping plus electronic compass and barometric altimeter features on the GPSMAP 76S.

All of these units are WAAS capable for accuracy to within 3 meters. And you can view your position on a sharp, four-level grayscale screen for excellent separation and contrast.





GPSMAP 76 series

specifications

Navigation features

Waypoints/icons:	500 with name and graphic symbol (76), 1000 with name and graphic symbol (76S and Map 76)
Routes:	10 nearest (automatic), 10 proximity 50 reversible routes with up to 125 points each, plus MOB and TracBack® modes
Tracks:	Automatic track log; 10 saved tracks let you retrace your path in both directions
Trip computer:	Current speed, average speed, resettable max. speed, trip timer and trip distance
Alarms:	Anchor drag, approach and arrival, off-course, proximity waypoint, shallow water and deep water
Tables:	Built-in celestial tables for best times to fish and hunt, sun and moon rise, set and location
Map datums:	More than 100 plus user datum
Position format:	Lat/Lon, UTM/UPS, Maidenhead, MGRS, Loran TDs and other grids, including user grid

GPS performance

Receiver:	WAAS enabled, 12 parallel channel GPS receiver continuously tracks and uses up to 12 satellites to compute and update your position
Acquisition times:	
Warm:	Approximately 15 seconds
Cold:	Approximately 45 seconds
AutoLocate™:	Approximately 5 minutes
Update rate:	1/second, continuous
GPS accuracy:	
Position:	< 15 meters, 95% typical*
Velocity:	0.05 meter/sec steady state
DGPS (USCG) accuracy:	
Position:	3-5 meters, 95% typical
Velocity:	0.05 meter/sec steady state
DGPS (WAAS) accuracy:	
Position:	< 3 meters, 95% typical
Velocity:	0.05 meter/sec steady state
Dynamics:	6 g's
Interfaces:	RS232 with NMEA 0183, RTCM 104 DGPS data format and proprietary GARMIN
Antenna:	Built-in quadrifilar, with

GPS 76



GPSMAP 76



GPSMAP 76S



Differential: external antenna connection (MCX)
Moving map features: DGPS, USCG and WAAS capable

Basemap:
(GPS 76)

Marine database. Preloaded with worldwide cities, navaids, Americas and U.S.A. tide data

(GPSMAP 76 and GPSMAP 76S)

Detailed basemap with cities, highways, interstates, exit info, rivers, lakes; Preloaded with worldwide cities, navaids, Americas and U.S.A. tide data

Uploadable maps:
(GPS 76)

Accepts up to 1 megabyte of data from the optional MapSource™ Points of Interest CD**

(GPSMAP 76)

Accepts up to 8 megabytes of downloaded map detail from a variety of optional MapSource CDs**

(GPSMAP 76S)

Accepts up to 24 megabytes of downloaded map detail from a variety of optional MapSource CDs**

Electronic compass feature (GPSMAP 76S only)

Accuracy: ±2 degrees with proper calibration (typical); ±5 degrees extreme northern and southern latitudes

Resolution: 1 degree

Barometric altimeter feature (GPSMAP 76S only)

Accuracy: 10 feet with proper calibration (user and/or automatic calibration)

Resolution: 1 foot

Range: -2,000 to 30,000 feet

Elevation computer: Current elevation, resettable minimum and maximum elevation, ascent/descent rate, total ascent/descent, average and maximum ascent/descent rate

Pressure: Local pressure (mbar/inches HG), 12-hour automatic pressure trend recording

Power

Source: Two "AA" batteries (not included)

Battery life: Up to 16 hours; 10 hours typical on GPSMAP 76S

Physical

Size: 2.7"W x 6.2"H x 1.2"D (6.9 x 15.7 x 3.05 cm)

Weight: Less than 1 pound (454 g)

Display: 1.6"W x 2.2"H (4.1 x 5.6 cm)

180 x 240 pixels, high-contrast FSTN with bright backlighting

Case: Fully gasketed, high impact plastic alloy, waterproof to IEC 529 IPX7 standards

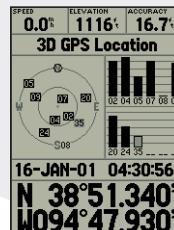
Temp. range: 5°F to 158°F (-15°C to 70°C)

User data storage: Indefinite, no memory battery required

Accessories

Standard: PC interface cable
Owner's manual
Quick reference guide
Wrist strap

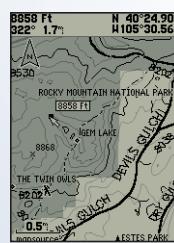
Optional: Automotive mount
Marine mount
Carrying case
12-volt adapter cable
Power/data cable
Remote GPS antenna
MapSource™ CD-ROMs
Instructional video



The satellite status page shows which satellites are being received, along with your position.



With downloaded points of interest, you can look up destinations and view detailed information.



The GPSMAP 76 accepts downloaded map detail, including topo maps with elevation information.



The barometric altimeter feature on the GPSMAP 76S provides elevation profiles.

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Specifications are preliminary and subject to change without notice.

* Subject to accuracy degradation to 100m 2DRMS under the U.S. Department of Defense imposed Selective Availability Program.

** These units are also able to transfer waypoints, routes and tracks between the PC and GPS using MapSource™.